

SEQUENCE LISTING



110 Kazunari TAIRA

Masashi WARASHINA

Tomoko WARASHINA

120 Nucleic acid enzymes acquiring an activity for cleaving a
target RNA by recognizing another molecule

130

140

141

150 JP 2000-313320

151 2000-10-13

160 17

170 PatentIn Ver. 2.0

210 1

211 32

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: maxizyme-constituting RNA mole

cule

(400) 1

gguccuggcc ugaugagagu gaugagcucu uc

32

(210) 2

(211) 27

(212) RNA

(213) Artificial Sequence

(220)

(223) Description of Artificial Sequence: maxizyme-constituting RNA molecule

(400) 2

gucugacugu ucaucgaaac cgggucc

27

(210) 3

(211) 33

(212) RNA

(213) Artificial Sequence

(220)

(223) Description of Artificial Sequence: maxizyme-constituting RNA molecule

(400) 3

gguccuggcc ugaugagagu uauugauggu cag

33

210 4

211 29

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: maxizyme-constituting RNA molecule

400 4

gaagggeuuc uuucaugaa accgggucc

29

210 5

211 88

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: tRNA^{Val} promoter sequence

400 5

accguugguu uccguagugu agugguuauu acguuagccu aacacggegaa aggucccccgg 60

auuguaaccg ggcacuacaa aaaccaaac 88

210 6

211 33

212 RNA

213 Artificial Sequence

[220]

[223] Description of Artificial Sequence: ribozyme

[220]

[223] n is a, c, g or u.

[400] 6

nnnnncugau gaggcgaaa ggcgaaann nnn

33

[210] 7

[211] 24

[212] RNA

[213] Artificial Sequence

[220]

[223] Description of Artificial Sequence: left side sequence
of maxizyme

[400] 7

cgauagaccug augagegaaa cgge

24

[210] 8

[211] 24

[212] RNA

[213] Artificial Sequence

[220]

[223] Description of Artificial Sequence: right side sequence
of maxizyme

400 8

gggggcugau gagegaaaacg uucc

24

210 9

211 13

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: substrate

400 9

gcgcgcguca ucg

13

210 10

211 11

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: substrate

400 10

gcgcgccecc g

11

210 11

211 15

212 RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: substrate

· 400 · 11

ggaagugcu cguug

15

· 210 · 12

· 211 · 40

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: wild type ribozyme

· 400 · 12

gguccuggcc ugaugaggcc gaaaggccga aaccgggucc

40

· 210 · 13

· 211 · 19

· 212 · RNA

· 213 · Artificial Sequence

· 220 ·

· 223 · Description of Artificial Sequence: part of bel-2 mRNA as
a substrate

· 400 · 13

ggacccegguc gccaggacc

19

210 14

211 25

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: part of HIV tat mRNA

400 14

gaagagcuca ucagaacagu cagac

25

210 15

211 28

212 RNA

213 Artificial Sequence

220

223 Description of Artificial Sequence: part of BCR-ABL mRNA

400 15

cugaccauca auaaggaaga agcecuuc

28

210 16

211 20

212 RNA

213 Artificial Sequence

(220)

(223) Description of Artificial Sequence: part of normal ABL mRNA

(400) 16

uuauuggaa gaagcccuuc

20

(210) 17

(211) 138

(212) RNA

(213) Artificial Sequence

(220)

(223) Description of Artificial Sequence: tRNA^{Val} T-MzL

(400) 17

accguugguu uccguagugu agugguuau cguucgccu aacacgcgaa aggucccccgg 60

uucgaaaccg ggcacuacaa aaaccaacuu ugucugacug uucaucgaaa ccggguccgg 120

uaccccgga ucuuuuuu 138